

CLMPTO 10/20/04 JW

Cancel Claims 1-27,35

28. (Previously Presented) A method for determining whether a particular cellular service is supported by a cellular service provider comprising:
receiving a first system identification number ("SID") broadcast in a first frequency band, and that SID identifying a particular cellular service provider;
determining whether said first SID matches a SID stored in a SID table;
switching to a second frequency band and receiving a second SID broadcast in said second frequency band if said first SID does not match a SID stored in said SID table, wherein said particular cellular service is identified if said first or second SID matches a SID stored in said SID table; and
determining whether detection of said particular cellular service support is urgent if neither said first nor said second SID are identified in said SID table; and
performing a high priority detection process for detecting said cellular service if detection of said particular cellular service support is urgent.

29. (Previously Presented) The method of claim 28, further comprising a low-priority detection process for detecting said cellular service if detection of said particular cellular service support is not urgent, the low-priority detection process comprising:
listening for cellular pages having an NPA value in a first frequency band, said NPA value indicating that said cellular service provider broadcasts in said first frequency band supports said cellular service.

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30. (Original) The method of claim 29, further comprising, if said cellular page is not detected in said first frequency band within a period of time:

switching to a second frequency band and listening for cellular pages having said NPA value in said second frequency band, said NPA value indicating that said cellular service provider broadcasting in said second frequency band supports said cellular service.

31. (Original) The method of claim 28, wherein said high priority detection process further comprises:

transmitting a page request packet to said first frequency band to a host across a cellular network; and

receiving a cellular page from said host in response to said page request packet, thereby identifying said cellular service provider broadcasting at said first frequency band as one which supports said cellular service.

32. (Original) The method of claim 31, further comprising updating said SID table to include a SID of said cellular service provider from which said cellular page was received.

33. (Original) The method of claim 31, further comprising, if said cellular page is not received within a predetermined period of time:

switching to a second frequency band and transmitting a second page request packet to a host across a cellular network; and

receiving a cellular page from said base in response to said second page request packet, thereby identifying said cellular service provider broadcasting at said second frequency band as one which supports said cellular service.

34. (Original) The method of claim 33, further comprising updating said SID table to include a SID of said cellular service provider from which said cellular page was received.

35. (Cancelled)

36. (Previously Presented) The method of claim 28, wherein said first and second frequency bands are cellular A and B bands, respectively.

37. (Previously Presented) An article of manufacture comprising a machine accessible medium including content that when accessed by a machine causes the machine to:

read a first system identification number ("SID") broadcast in a first frequency band, said first SID identifying a particular cellular service provider;

determine whether said first SID matches a SID stored in a SID table;

switch to a second frequency band and read a second SID broadcast in said second frequency band if said first SID does not match a SID stored in said SID table, wherein a particular cellular service is identified if said SID in said first or second frequency bands matches a SID stored in said SID table; and

determine whether detection of said particular cellular service support is urgent if neither said first nor said second SID are identified in said SID table, and

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perform a high priority detection process for detecting said cellular service if detection of said particular cellular service support is urgent.

38. (Previously Presented) The article of manufacture of claim 37, further comprising a low priority detection process for detecting said cellular service if detection of said particular cellular service support is not urgent, the low priority detection process comprising:

listening for cellular pages having an NPA value in a first frequency band, said NPA value indicating that said cellular service provider broadcasting in said first frequency band supports said cellular service; and

switching to a second frequency band and listening for cellular pages having said NPA value in said second frequency band, said NPA value indicating that said cellular service provider broadcasting in said second frequency band supports said cellular service.

39. (Original) The article of manufacture of claim 37, wherein said high priority detection process comprises:

transmitting a page request packet in said first frequency band to a host across a cellular network; and

receiving a cellular page from said host in response to said page request packet, identifying said cellular service provider broadcasting at said first frequency band as one which supports said cellular service.

40. (Original) The article of manufacture of claim 39, further comprising a machine accessible medium including content that when accessed by a machine causes the machine to

update said SID table to include a SID of said cellular service provider from which said page was received.

41. (Original) The article of manufacture of claim 39, further comprising a machine accessible medium including content that when accessed by a machine causes the machine to, if said cellular page is not received within a predetermined period of time:

switch to a second frequency band and transmitting a second page request packet to a host across a cellular network; and

receive a cellular page from said host in response to said page request packet, identifying said cellular service provider broadcasting at said second frequency band as one which supports said cellular service.

42. (Original) The article of manufacture of claim 41, further comprising a machine accessible medium including content that when accessed by a machine causes the machine to update said SID table to include a SID of said cellular service provider from which said page was received.

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